



Crystal Lake IL. --- Phone: **224-565-5210** --- Fax: 815-477-8347

Roland MDX-540 Series SRP Milling Machine



Creates accurate prototypes for complex snap-fits.
Produces functional prototypes for proof of concept and manufacturability testing.
Achieves smooth surface finish across a wide range of materials.
400W DC Brushless motor with increased torque for fast, accurate prototypes.
Includes user-friendly CAM Software.
Handheld controller and virtual control panel simplifies setup.
Specialty MDX-540S and MDX-540SA models available for enhanced precision and accurate, repeatable production.
Optional fourth rotary axis and automatic tool changer available.
Maximum 19.68" by 15.74" by 6.10" XYZ-Axis Travel.

Includes a factory-installed spindle unit tested for milling accuracy.
540S and 540SA models offer high quality milling for snap-fit prototypes, smooth surface finishes and other advanced applications. S models feature precision ball screws that achieve repeat accuracy up to ± 0.02 mm (± 0.0008 in.)

*Shown with Tool Changer and Optional 4th-Axis Unit

MDX-540 (CNC Milling Machine, 19.6" x 15.7" x 6.1") **\$20,995.00**

MDX-540S (High Precision CNC Milling Machine, 19.6" x 15.7" x 6.1") **\$26,995.00**

MDX-540A (CNC Milling Machine, 15.7" x 15.7" x 6.1") (Built-in ATC) **\$31,995.00**

MDX-540SA (High Precision CNC Milling Machine, 15.7" x 15.7" x 6.1") (Built-in ATC) **\$36,995.00**



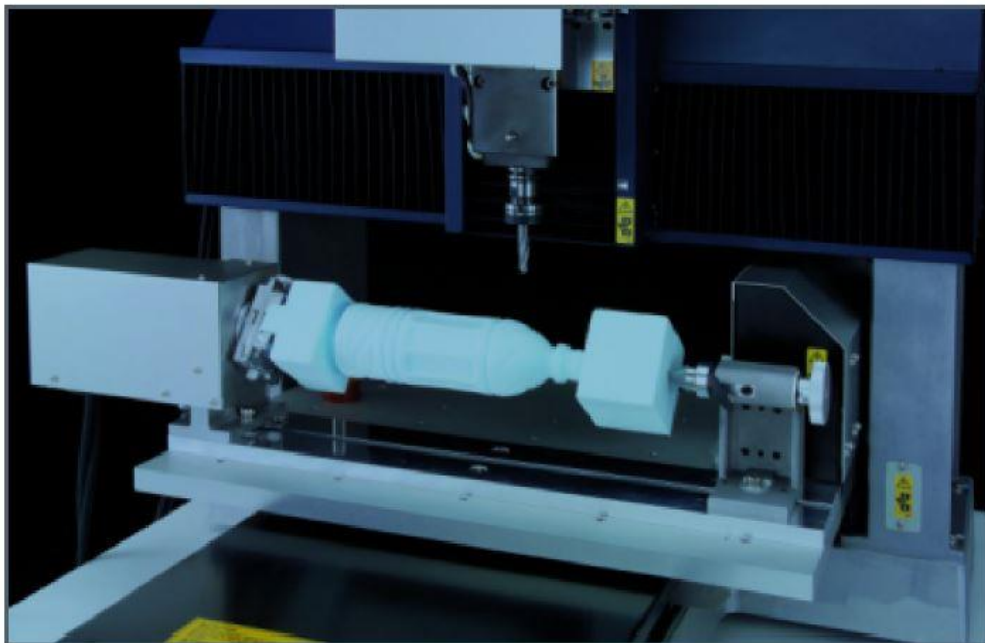
ZBX-540E



ZBX-540D

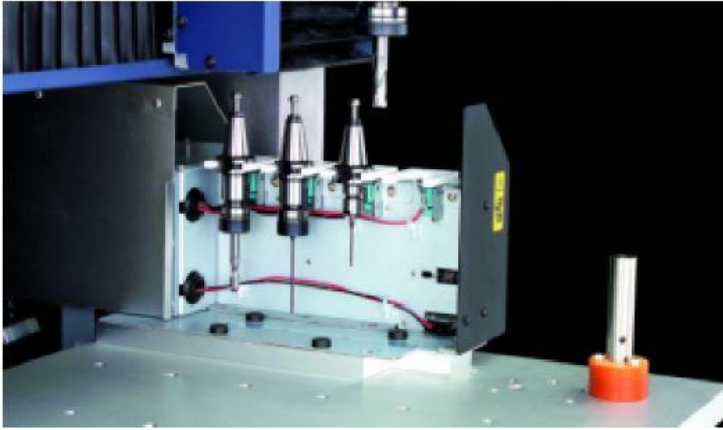
Safety Covers for the MDX-540 Series

ZBX-540D	Exterior dimensions 37.1" x 39.5" x 39.4", 121lbs (943mm x 1003mm x 1000mm)	\$3,495.00
ZBX-540E	Exterior dimensions 41.0" x 40.6" x 38.5", 150lbs (1042mm x 1030mm x 978mm)	\$1,540.00



Rotary Axis Unit

ZCL-540	(Rotary 4th Axis, 14.6" x 7.0" Working Diameter)	\$5,095.00
Support both 4-axis indexing and live 4-axis machining		

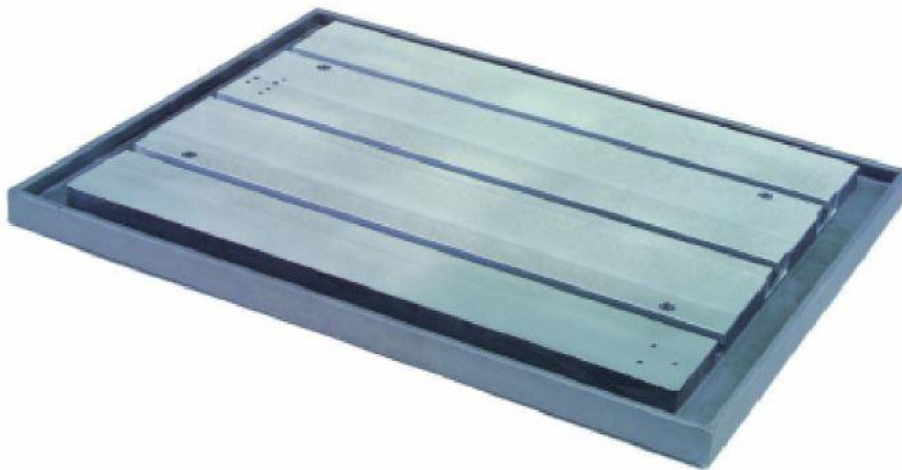


Automatic Tool Changer

ZAT-540 4-Position Tool Changer

\$10,295.00

Includes: ATC Control box, ATC spindle, ATC magazine Setting clamp, spanner, (4) 1/4" tool holders and air tubing.



Optional T-Slot table

ZTT-540

\$1395.00

T-Slot table gives you the ability to use a wide variety of clamps and clamping systems.
(For 8 mm clamp sets)

Cybrid Systems exclusive items for the MDX-540 Series SRP mills

VisualMILL®



Visualmill CAM Software

3-Axis seat – \$1,250.00

4-Axis Seat - \$2,500.00

Visualmill Pro - \$5,000.00

All Metal Workbench - \$2,195.00

TBL-540 - 42" x 48" Mobile table with 1 drawer, casters, levels, adjustable height, and swing tray laptop stand.



Self-Center Vices



CY-6 6" Vice – Includes aluminum and steel jaws \$1,350.00

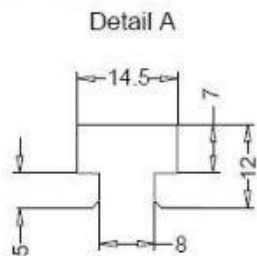
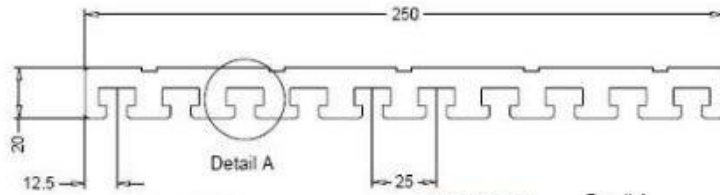
CY-10 10" Vice - Includes aluminum and steel jaws \$2,150.00

T-slot Tables

20 mm high x 250 mm long, M6 size fixturing, various lengths depending upon your setup. Standard lengths for the MDX-540 are as follows:

CY-400T - 400 mm (15.74") \$145.00. This table is made for the 3-axis bed only and is not designed to fit with the 4th-axis unit installed. You can combine 2 of this table to cover the entire 3 axis working area when the tool changer is installed.

CY-300T - 300 mm (11.81") \$95.00. This table fits behind the 4th-axis unit and in between the tool changer and 4th-axis Z sensor.



FEATURES

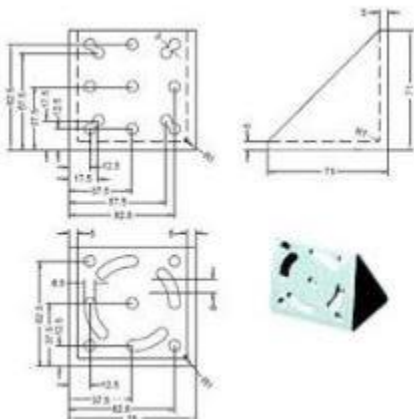
- This structural profile is made of extruded aluminum.
- Ten T-slots are provided on one side.
- The opposite face is flat.
- The T-slots are used to clamp parts in position.
- Several table plates can be joined together to make a table surface of any desired width.
- The T-slots are designed to use M6 square nuts, T-nuts or M6 nut strips described in our accessory section.
- This Heavy-Duty Table Plate is intended to be use as a universal mounting platform and is suitable for machine tables which use T-slots to hold the work piece, gauging and test fixture.
- **NOTE:** This Heavy-Duty Table Plate has both faces milled flat.

TECHNICAL DATA

Cross Section Area: 3522 mm²
Weight/Meter: 9.51 kg/m
Moment of Inertia Ix: 14.47 cm⁴
Moment of Inertia Iy: 1916.87 cm⁴
Max Twist: 0.5 mm/m
Flatness: 0.5 mm/m
Manufacturing Tolerance as per DIN 1748/4

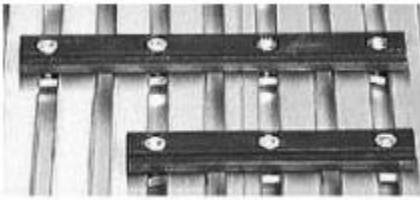
Right angle mounting Plate – 71 mm x 71 mm x 75 mm (approx. 2.75" x 2.75" x 3.00")

CY-3ANG - \$25.00



Clamp bars – 225 mm long – set of 2

CY-CB225 - \$55.00



CAM Lock Clamp

CY-CAMLC– \$75.00

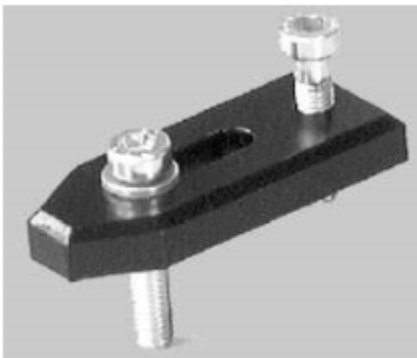


FEATURES

- Made of black oxidized hardened steel.
- This clamp will provide up to 2500 N of clamping force with 100 N of actuating force.
- A 180 degree rotation of the locking arm will provide a clamp stroke of 4 mm. 15 mm high, 32 mm wide, 107 mm overall length.
- Provided with two-hole nut strip and screws to allow mounting to a T-slot.

Adjustable Toggle Clamp

CY-ATClamp – \$45.00 set of 2



FEATURES

- Made of steel, is ideal for holding odd shaped parts.
- The front screw can be positioned along the slot while the rear screw adjusts the pressure on the part.
- Both M6 screws and an M6 T-slot nut are included with the clamp.
- **Sold in set of 2**

8 mm Clamp Set

CY-8MM - \$295.00

Works with both the standard and T-slot tables that come with the Roland MDX-540 Series



Collets for MDX-540 and MDX-540S (Non-Tool Changer collets)

US-EY16-3.5A (1/8" flex collet for the MDX-540 and MDX-540S)	\$81.95
US-EY16-5A (3/16" flex collet for the MDX-540 and MDX-540S)	\$81.95
US-EY16-7A (1/4" flex collet for the MDX-540 and MDX-540S)	\$81.95
US-EY16-10A (3/8" flex collet for the MDX-540A and MDX-540SA)	\$81.95

Collets for MDX-540A and MDX-540SA (Tool Changer collets)

US-COL7-1/8 (1/8" flex collet for the MDX-540A and MDX-540SA)	\$59.95
US-COL7-1/4 (1/4" flex collet for the MDX-540A and MDX-540SA)	\$59.95
US-COL7-5 (3/16" flex collet for the MDX-540A and MDX-540SA)	\$59.95
US-EY16-10A (3/8" flex collet for the MDX-540A and MDX-540SA) *Requires Chuck US-DMC10-52 sold separately	\$81.95

3/8" (10mm) ATC End Mill Capability

US-DMC10-52	(3/8" (10mm) CNC Drill Mill Chuck without collets)	\$425
US-COL10-10	(3/8" (10mm) flex collet for ATC Drill Mill Chuck)	\$69.99
US-SPAN33	(Spanner for 3/8" (10mm) CNC Drill Mill Chuck)	14.95

The above 3 items are required if you want to use larger, 3/8" end mills with your ATC system. The standard MDX-540 ATC tool holders have a maximum tool size of 1/4".



Tooling Kits

EM-KIT-SR (Short Reach Tooling Kit, Contains 1/8", 1/16", 1/32", 1/64" Ball and Flat End Mills) **\$143.99**

EM-KIT-LR (Long Reach Tooling Kit, Contains 1/4", 1/8", 1/16", 1/32", 1/64" Ball and Flat End Mills) **\$379.99**

Submicron grade carbide cutting tools manufactured with tight tolerances for precision milling. These kits include our most popular sizes in two different lengths. Short reach tooling for small detailed work and long reach tooling for reaching those hard to cut features. **EM-KIT-SR and EM-KIT-LR are both recommended for all cutting needs.**

Replacement Flat End Mills, Short Reach

EMF-125-2F-125	(1/8" Shank, 2 Flute, 1/8" Mill, 0.375" Flute Length, 1.5" OAL)	\$14
EMF-125-2F-063	(1/8" Shank, 2 Flute, 1/16" Mill, 0.188" Flute Length, 1.5" OAL)	\$14
EMF-125-2F-031	(1/8" Shank, 2 Flute, 1/32" Mill, 0.094" Flute Length, 1.5" OAL)	\$14
EMF-125-2F-016	(1/8" Shank, 2 Flute, 1/64" Mill, 0.047" Flute Length, 1.5" OAL)	\$27

Replacement tools for EM-KIT-SR tool kits.



Replacement Ball End Mills, Short Reach

EMB-125-2F-125	(1/8" Shank, 2 Flute, 1/8" Mill, 0.375" Flute Length, 1.5" OAL)	\$16
EMB-125-2F-063	(1/8" Shank, 2 Flute, 1/16" Mill, 0.188" Flute Length, 1.5" OAL)	\$16
EMB-125-2F-031	(1/8" Shank, 2 Flute, 1/32" Mill, 0.094" Flute Length, 1.5" OAL)	\$16
EMB-125-2F-016	(1/8" Shank, 2 Flute, 1/64" Mill, 0.047" Flute Length, 1.5" OAL)	\$35

Replacement tools for EM-KIT-SR tool kits.



Replacement Flat End Mills, Long Reach

EMF-250-2F-250L	(1/4" Shank, 2 Flute, 1/4" Mill, 0.500" Flute, 1.5" Reach, 3.0" OAL)	\$42
EMF-125-2F-125L	(1/8" Shank, 2 Flute, 1/8" Mill, 0.375" Flute, 1.5" Reach, 2.5" OAL)	\$38
EMF-125-2F-063L	(1/8" Shank, 2 Flute, 1/16" Mill, 0.188" Flute, 1.0" Reach, 2.0" OAL)	\$38
EMF-125-2F-031L	(1/8" Shank, 2 Flute, 1/32" Mill, 0.094" Flute, 0.75" Reach, 2.0" OAL)	\$38
EMF-125-2F-016L	(1/8" Shank, 2 Flute, 1/64" Mill, 0.047" Flute, 0.2" Reach, 2.0" OAL)	\$38

Replacement tools for EM-KIT-LR tool kits.



Replacement Ball End Mills, Long Reach

EMB-250-2F-250L	(1/4" Shank, 2 Flute, 1/4" Mill, 0.500" Flute, 1.5" Reach, 3.0" OAL)	\$42
EMB-125-2F-125L	(1/8" Shank, 2 Flute, 1/8" Mill, 0.375" Flute, 1.5" Reach, 2.5" OAL)	\$38
EMB-125-2F-063L	(1/8" Shank, 2 Flute, 1/16" Mill, 0.188" Flute, 1.0" Reach, 2.0" OAL)	\$38
EMB-125-2F-031L	(1/8" Shank, 2 Flute, 1/32" Mill, 0.094" Flute, 0.75" Reach, 2.0" OAL)	\$38
EMB-125-2F-016L	(1/8" Shank, 2 Flute, 1/64" Mill, 0.047" Flute, 0.2" Reach, 2.0" OAL)	\$38

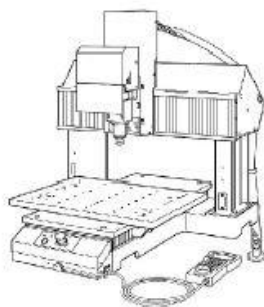
Replacement tools for EM-KIT-LR tool kits.



Extended Warranty MDX-540 & MDX-540A

Additional 1 Year Warranty Coverage (MDX-540/MDX-540A)	\$2,450
Additional 2 Years Warranty Coverage (MDX-540/MDX-540A)	\$4,900
Additional 3 Years Warranty Coverage (MDX-540/MDX-540A)	\$7,350

Additional coverage covers the machine for parts, labor and shipping of unit one way if necessary.



Extended Warranty MDX-540S & MDX-540SA

Additional 1 Year Warranty Coverage (MDX-540S/MDX-540SA)	\$2,995
Additional 2 Years Warranty Coverage (MDX-540S/MDX-540SA)	\$5,990
Additional 3 Years Warranty Coverage (MDX-540S/MDX-540SA)	\$8,985

Additional coverage covers the machine for parts, labor and shipping of unit one way if necessary.

